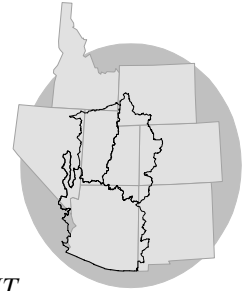


WATER SUPPLY OUTLOOK

for the UPPER COLORADO

COLORADO BASIN RIVER FORECAST CENTER

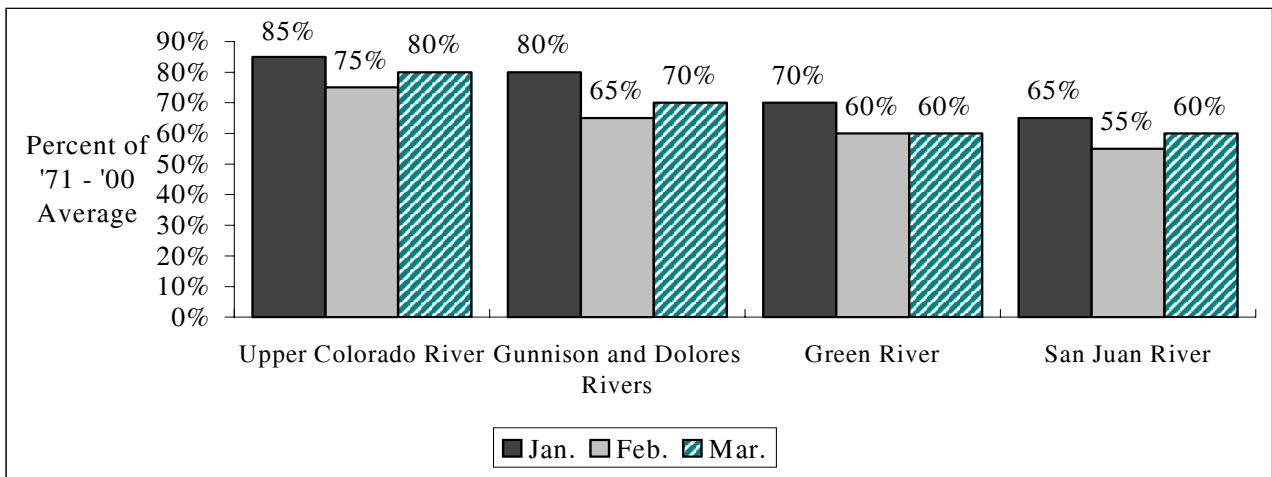
NATIONAL WEATHER SERVICE, SALT LAKE CITY, UT



MARCH 1, 2003

Seasonal precipitation for the 2003 water year finally increased due to above to much above average precipitation in February. Snowpack percents of average on March 1 increased 5% to 15% when compared to measurements taken February 1. Changes in the spring volume forecasts, when compared to those issued February 1st, increased 5% to 15% generally, although some locations saw little change.

APRIL - JULY VOLUME FORECASTS

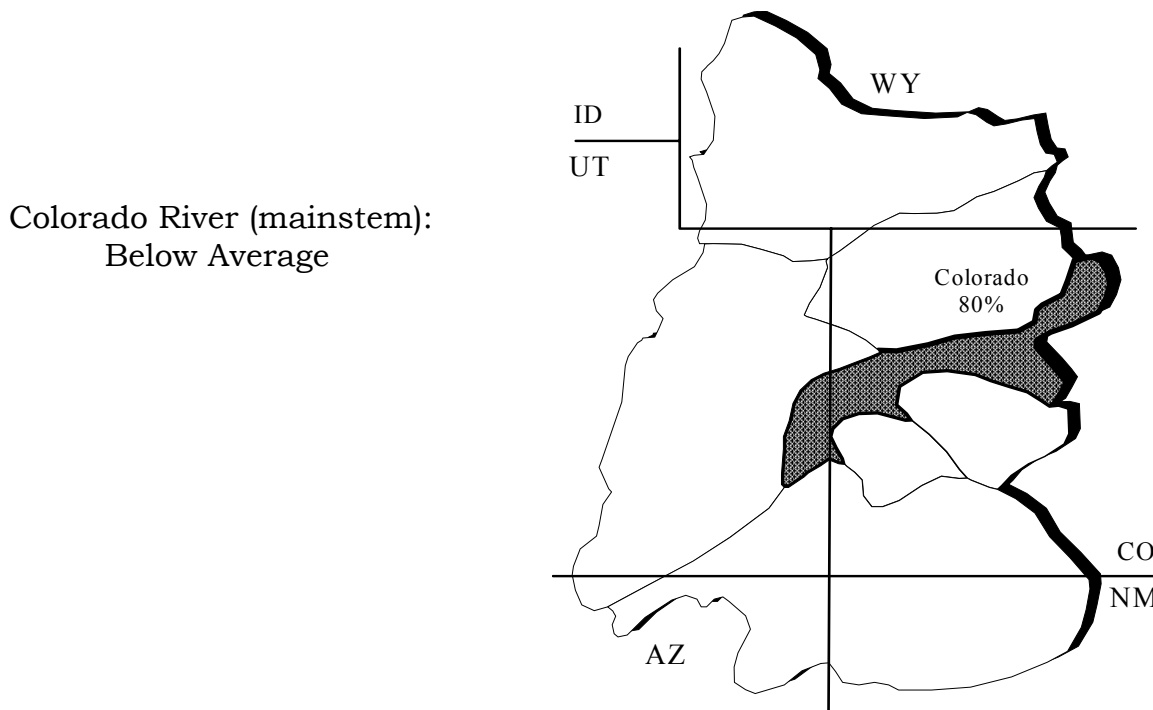


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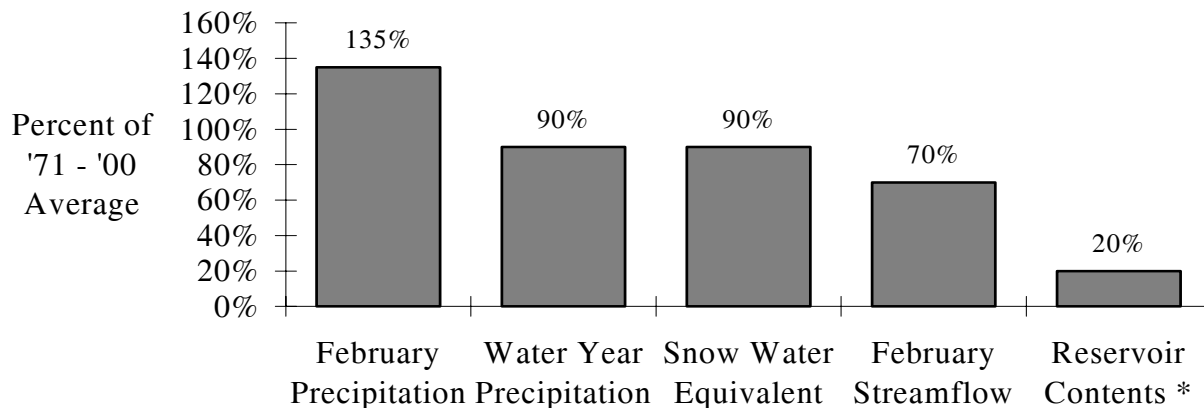
UPPER COLORADO MAINSTEM

Due to an above to much above average February, seasonal precipitation through March 1st in the upper mainstem of the Colorado River rose 10% and is now near average. Snowpack, overall, also rose 10% of average. Forecasts were brought up slightly to reflect the improved snowpack conditions.

April-July streamflow forecasts for the Upper Colorado Mainstem are as follows:



BASIN CONDITIONS - MARCH 1, 2003



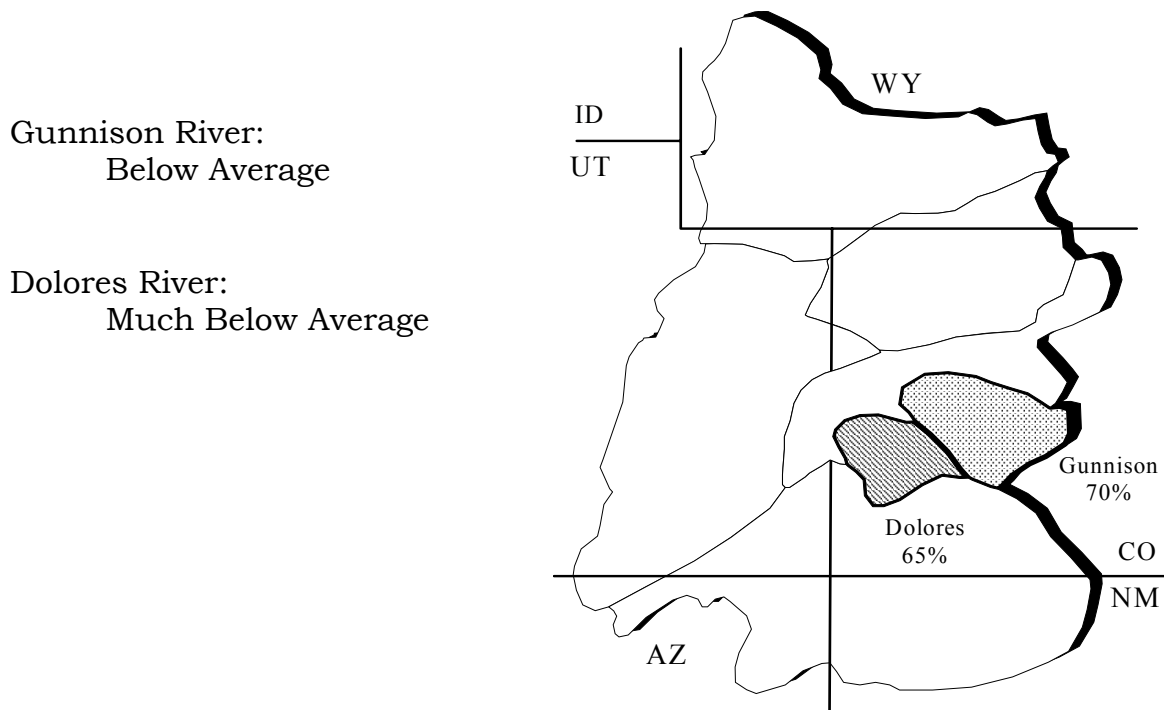
* Percent usable capacity, not percent average contents.

Specific site forecasts are listed beginning on page 6.

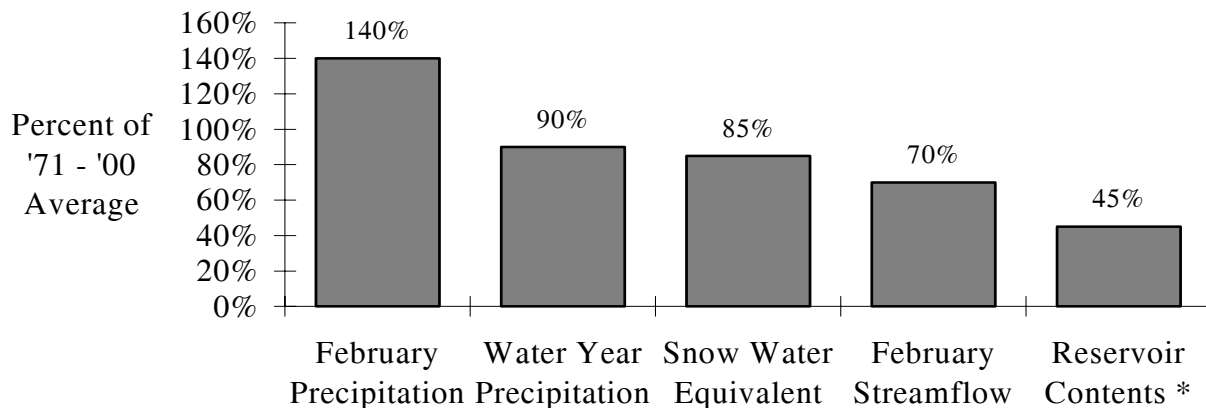
GUNNISON AND DOLORES RIVERS

Snow water equivalent in the Gunnison and Dolores River basins increased greatly over the last half of February and was 85% of average as of March 1. The monthly precipitation for February was 140% of average. As a result, the April-July streamflow forecasts rose about 5% overall and now range between 50% and 75% of average.

April-July streamflow forecasts for the Gunnison and Dolores Rivers are as follows:



BASIN CONDITIONS - MARCH 1, 2003



* Percent usable capacity, not percent average contents.

Specific site forecasts are listed beginning on page 7.

GREEN RIVER

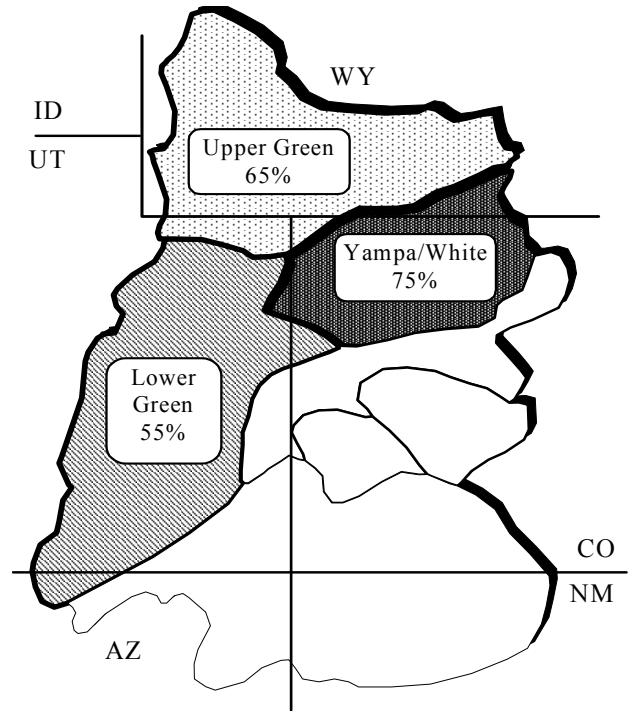
Precipitation was near to above average throughout the Green river Basin in February. A noticeable increase in snowpack occurred in the Yampa River Basin and small drainages of south central Utah with minor changes at most other locations. The lowest snowpack exists in the Duchesne Basin. April-July volumes are expected to range from near 35% to 90% of average with lowest volumes in the Duchesne Basin and highest in the Yampa Basin.

April-July streamflow forecasts for the Green River are as follows:

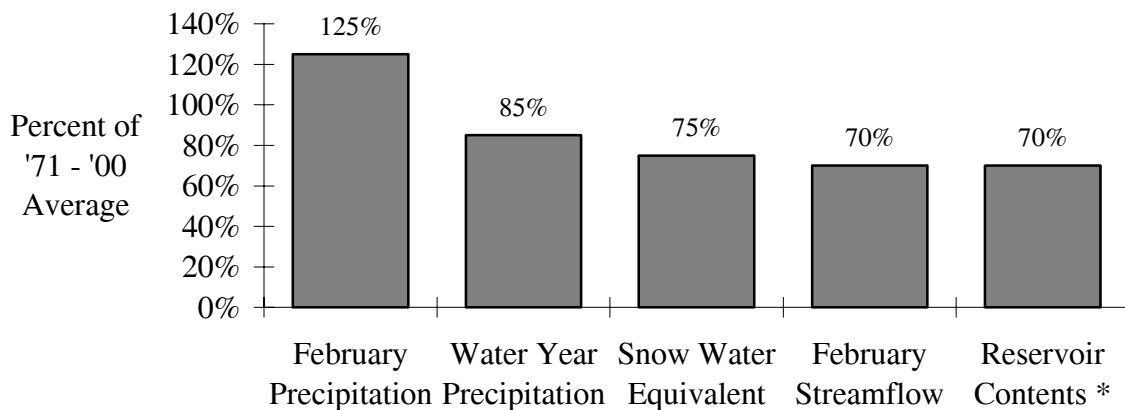
Upper Green River:
Much Below Average

Yampa/White Rivers:
Below Average

Lower Green River
(below Flaming Gorge):
Much Below Average



BASIN CONDITIONS - MARCH 1, 2003



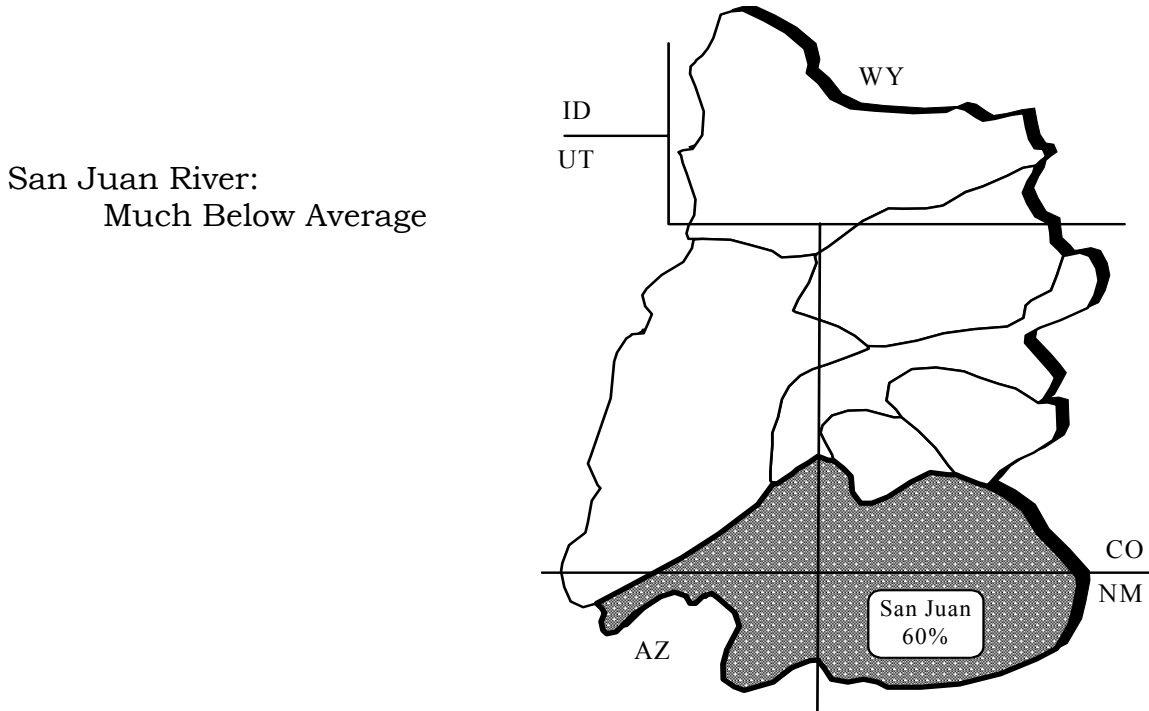
* Percent usable capacity, not percent average contents.

Specific site forecasts are listed beginning on page 8.

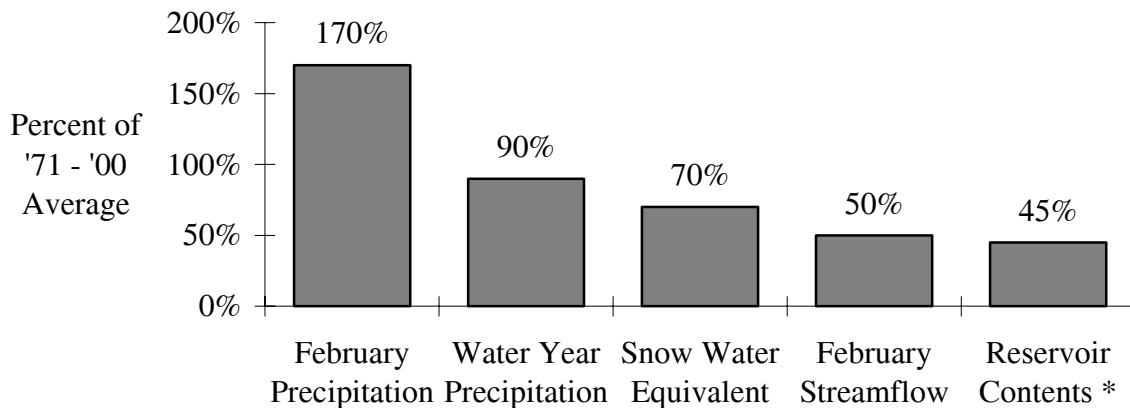
SAN JUAN RIVER

As of March 1st, the San Juan River basins have received some much needed relief from the drought. However, although the snowpack percent of average increased by about 10% , it is still below average. Streamflows dropped to 49% of average due to a shift to cold temperatures. February precipitation totaled 170% of average. Forecast flows for April-July runoff increased and now range from 55% to 78% of average.

April-July streamflow forecasts for the San Juan Basin are as follows:



BASIN CONDITIONS - MARCH 1, 2003



* Percent usable capacity, not percent average contents.

Specific site forecasts are listed beginning on page 10.

SPECIFIC SITE FORECASTS

Upper Colorado Mainstem: April through July volume (kaf) forecasts (except where noted).

Stream	Station	Most Probable	Percent Avg.	Reas. Max	Reas. Min
COLORADO	LAKE GRANBY, GRANBY, NR	180	80	245	132
	DOTSERO, NR	1200	83	1720	685
	GLENWOOD SPRINGS, BLO	1770	82	2380	1160
	CAMEO, NR	1930	80	2760	1100
	CISCO, NR	3350	72	4910	1790
WILLOW CK	WILLOW CK RES, GRANBY, NR	42	82	61	27
FRASER	WINTER PARK	16	80	21	10.6
WILLIAMS FORK	WILLIAMS FORK RES, PARSHALL, N	80	84	103	60
MUDDY CK	WOLFORD MTN RES, BLO	48	80	70	26
BLUE	DILLON RES	140	84	194	86
	GREEN MTN RES	240	86	295	189
EAGLE	GYPSUM, BLO	275	82	405	187
FRYING PAN	RUEDI RES, BASALT, NR	115	82	168	79
ROARING FORK	GLENWOOD SPRINGS	550	77	759	375
PLATEAU CK	CAMEO, NR	80	70	163	10
MILL CK	MOAB, NR, SHELEY TUN, AT	3.3	66	6.1	1

SPECIFIC SITE FORECASTS

Gunnison and Dolores Basins: April through July volume (kaf) forecasts (except where noted).

Stream	Station	Most Probable	Percent Avg.	Reas. Max	Reas. Min
TAYLOR	TAYLOR PARK RES	77	75	111	43
	ALMONT	119	72	164	74
EAST	ALMONT	145	76	200	90
GUNNISON	GUNNISON, NR	270	69	390	152
TOMICHI CK	GUNNISON	55	68	101	23
LAKE FORK	GATEVIEW	86	68	138	34
GUNNISON	MORROW POINT RES	565	72	870	260
	CRYSTAL RES	640	70	1020	290
MUDDY CK	● PAONIA RES, BARDINE, NR	74	74	116	41
NF GUNNISON	SOMERSET, NR	235	77	340	149
SURFACE CK	CEDAREEDGE	12	70	18	8
UNCOMPAHGRE	RIDGWAY RES	72	71	106	49
	COLONA	87	63	135	50
	DELTA	68	58	120	30
GUNNISON	GRAND JUNCTION, NR	1050	67	1610	495
DOLORES	DOLORES	190	72	285	95
	MCPHEE RES	225	70	335	115
	CISCO, NR	285	51	580	55
SAN MIGUEL	PLACERVILLE, NR	95	72	143	47

● = March - June forecast period.

Green River Basin: April through July volume (kaf) forecasts (except where noted).

Stream	Station	Most Probable	Percent Avg.	Reas. Max	Reas. Min
GREEN	DANIEL, NR, WARREN BRIDGE, AT	205	77	265	146
	GREEN RIVER, WY, NR	520	59	755	285
	GREEN RIVER, UT	1910	60	3000	820
PINE CK	FREMONT LK, ABV	83	80	99	67
NEW FORK	BIG PINEY, NR	260	66	365	155
BIG SANDY	FARSON, NR	38	66	56	20
BLACKS FORK	ROBERTSON, NR	57	60	85	29
EF SMITHS FORK	ROBERTSON, NR	17.5	56	23	13.3
HAMS FORK	FRONTIER, NR, POLE CK, BLO	41	63	61	25
	VIVA NAUGHTON RES	52	58	84	20
YAMPA	STAGECOACH RSVR, ABV	25	86	36	14.4
	STEAMBOAT SPRINGS	245	88	330	161
	MAYBELL, NR	790	80	1110	470
ELK	MILNER, NR	250	77	360	159
ELKHEAD CK	ELKHEAD, NR	25	64	50	12.6
	MAYNARD GULCH, BLO	42	71	71	13.3
FORTIFICATION CK	● FORTIFICATION, NR	5.2	69	9	1.5
LITTLE SNAKE	SLATER, NR	118	74	175	72
	DIXON, NR	245	74	355	133
	LILY, NR	265	73	380	149

● = March - June forecast period.

Green River Basin continued: April through July volume (kaf) forecasts (except where noted).

Stream	Station	Most Probable	Percent Avg.	Reas. Max	Reas. Min
BIG BRUSH CK	VERNAL, NR, RED FLEET RES, ABV	15	71	22	7.8
ASHLEY CK	VERNAL, NR	36	69	61	10.9
WF DUCHESNE	HANNA, NR	13	54	23	5.9
ROCK CK	UPPER STILLWATER RES	45	55	64	26
	MOUNTAIN HOME, NR	49	55	70	28
DUCHESNE	TABIONA, NR	57	54	83	31
	DUCHESNE, NR, KNIGHT DIV, ABV	98	52	157	39
	MYTON	90	35	198	21
	RANDLETT, NR	114	35	355	13
STRAWBERRY	SOLDIER SPRINGS, NR	24	41	45	9.6
	DUCHESNE, NR	49	40	88	10
CURRENT CK	CURRENT CK RES	10.2	41	17.3	3.1
LAKE FORK	MOON LAKE RES, MTN HOME, NR	38	56	56	20
YELLOWSTONE	ALTONAH, NR	36	58	61	11
WHITEROCKS	WHITEROCKS, NR	35	62	67	8.4
WHITE	MEEKER, NR	190	66	280	129
	WATSON, NR	200	66	335	66
GOOSEBERRY CK	SCOFIELD, NR	7.3	61	11.9	2.7
PRICE	SCOFIELD RES, SCOFIELD, NR	28	61	39	17.3
WHITE	BLO TABBYUNE CK, SOLDIER SUMMI	9.6	55	17.8	3.9
HUNTINGTON CK	ELECTRIC LAKE	10	64	16.3	5.6
	HUNTINGTON, NR	30	60	43	17.2
SEELEY CK	JOES VLY RES, ORANGEVILLE, NR	34	59	59	9.4
FERRON CK	FERRON, NR	26	67	39	15.7
SEVEN MILE CK	FISH LAKE, NR	5.1	73	9.6	1.19
MUDDY CK	EMERY, NR	14	70	25	3.1

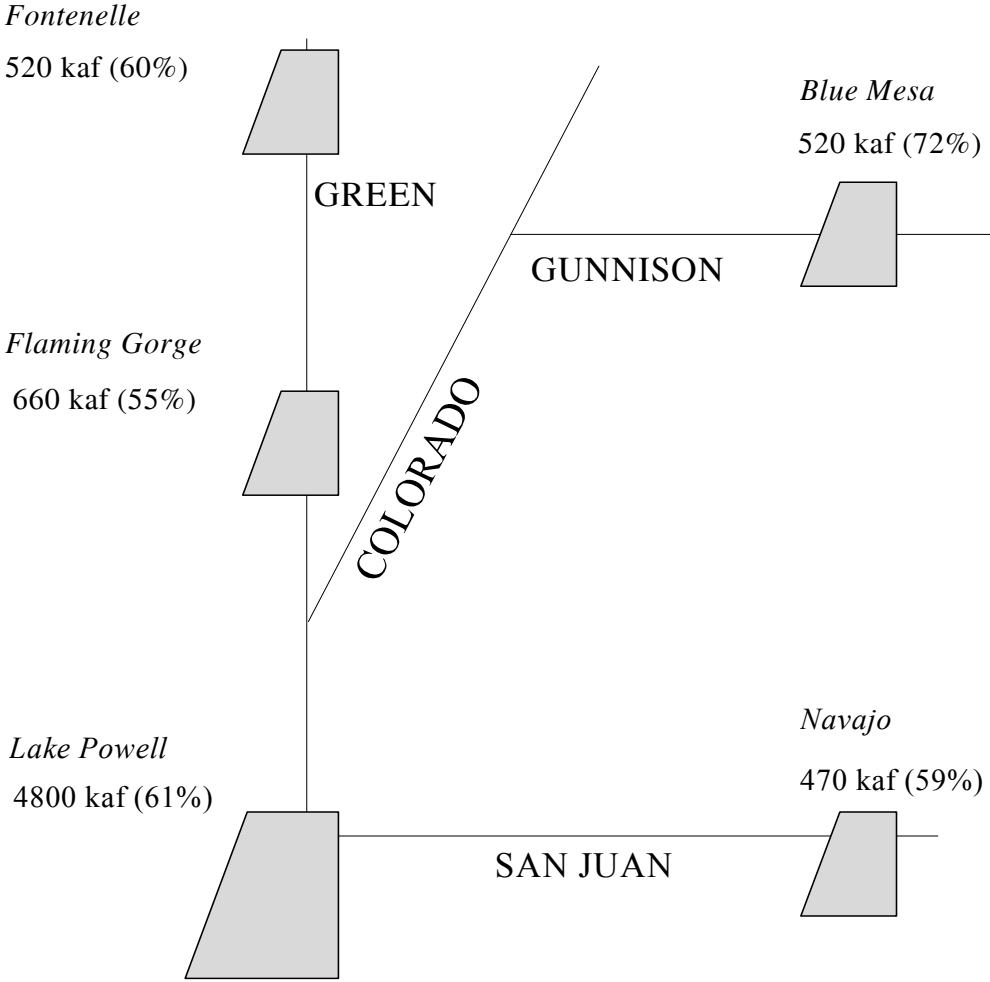
San Juan River Basin: April through July volume (kaf) forecasts (except where noted).

Stream	Station	Most Probable	Percent Avg.	Reas. Max	Reas. Min
SAN JUAN	PAGOSA SPRINGS	135	60	200	10
	CARRACAS, NR	240	59	425	109
	FARMINGTON	705	58	1340	245
	BLUFF, NR	675	55	1090	183
RIO BLANCO	PAGOSA SPRINGS, NR, BLANCO DAM	35	66	59	11
NAVAJO	CHROMO, NR, OSO DIV DAM, BLO	43	62	73	13
PIEDRA	ARBOLES, NR	140	61	225	52
LOS PINOS	VALLECITO RES, BAYFIELD, NR	125	61	181	47
ANIMAS	DURANGO	285	65	430	138
FLORIDA	LEMON RES, DURANGO, NR	37	64	61	13.4
LA PLATA	HESPERUS	18	72	28	7.4
MANCOS	MANCOS, NR	31	78	54	8
SOUTH CK	◆ LLOYD'S RSVR NR MONTICELLO, AB	0.73	56	1.7	0.17
RECAPTURE CK	◆ BLANDING, NR, JOHNSON CK, BLO	3.4	56	7.6	0.5

◆ = March - July forecast period.

FLOOD CONTROL FORECASTS

MOST PROBABLE FORECASTS
2003 APRIL - JULY INFLOW VOLUMES
 (% OF '71 - '00 AVERAGE)

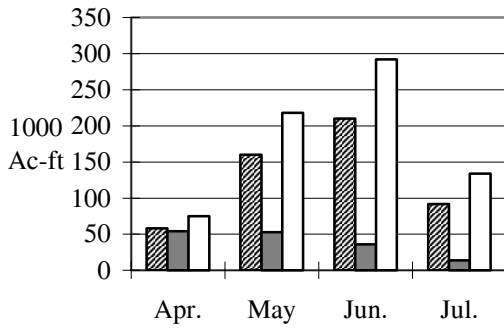


NOTE: Colorado River flood control forecasts account for a smaller set of upstream adjustments than water supply forecast points.

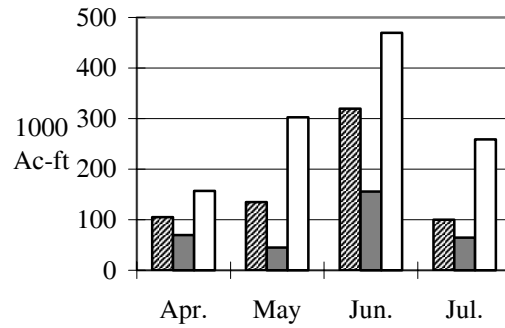
RESERVOIR MONTHLY INFLOW FORECASTS



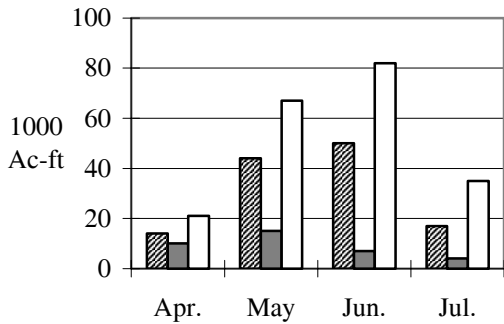
Blue Mesa Reservoir Inflow



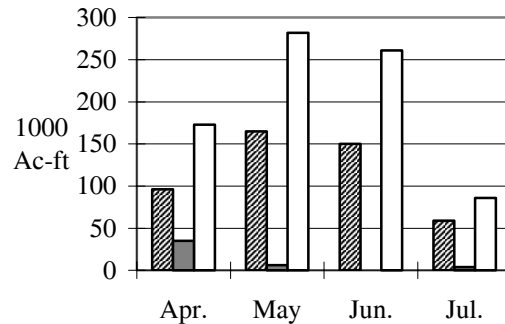
Flaming Gorge Reservoir Inflow



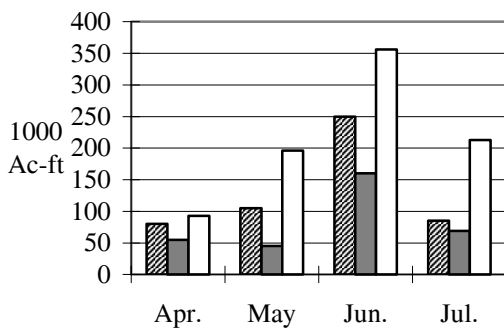
Vallecito Reservoir Inflow



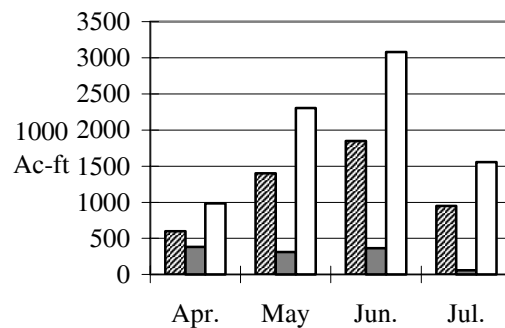
Navajo Reservoir Inflow



Fontenelle Reservoir Inflow

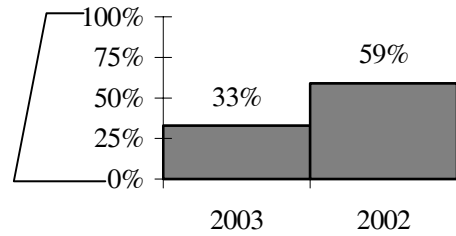
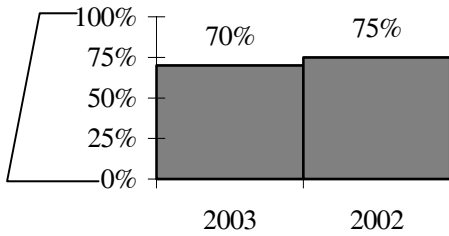


Lake Powell Inflow

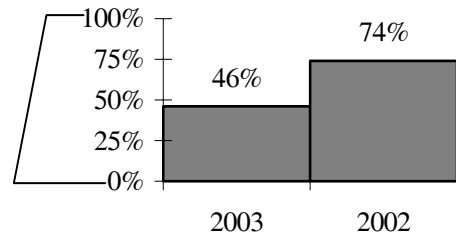
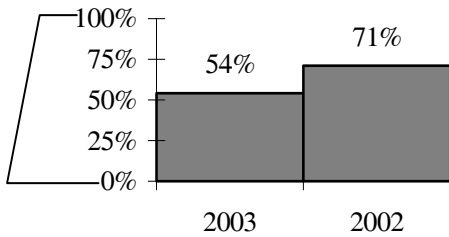


END OF MONTH RESERVOIR CONTENTS

Percent of Usable Capacity



Green
 Combined
 Upper Colorado, Gunnison, and Dolores
 San Juan



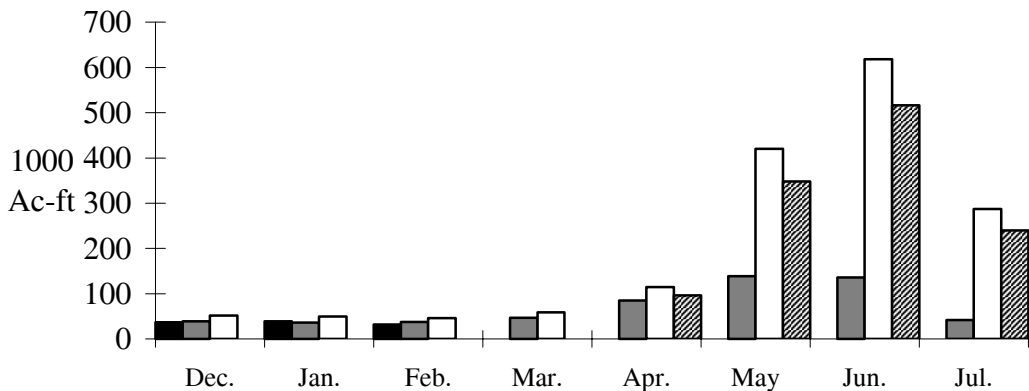
RESERVOIR (vol. in 1000 ac-ft)	Reservoir status	Usable Capacity	EOM Usable Contents	Percent Usable Capacity
Fontenelle	1,4	344.8	185.2	54
Flaming Gorge	1,4	3749	2609.3	70
Strawberry	1,4	1105.9	807.9	73
Starvation	1,4	165.3	138.8	84
Lake Granby	2,4	490.3	47.6	10
Dillon	2,4	254	124.6	49
Green Mountain	2,4	146.9	37.4	25
Taylor Park	2,4	106.2	39.6	37
Blue Mesa	2,4	829.5	292.3	35
Ridgway	2,4	83.2	62.5	75
McPhee	2,4	381.1	163	43
Vallecito	3,4	125.4	37.9	30
Navajo	3,4	1696	806.2	48
Lake Powell	4	24322	12833.2	53

- 1 = Green River reservoir status
- 2 = Upper Colorado River reservoir status
- 3 = San Juan River reservoir status
- 4 = Combined reservoir status

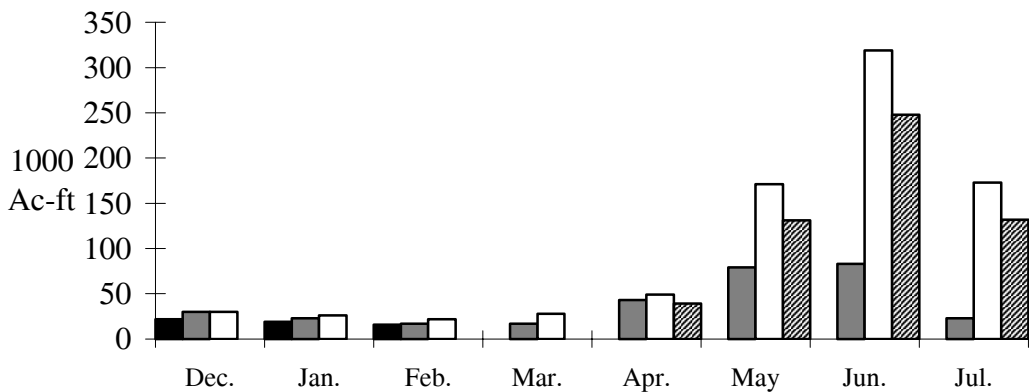
MONTHLY STREAMFLOWS



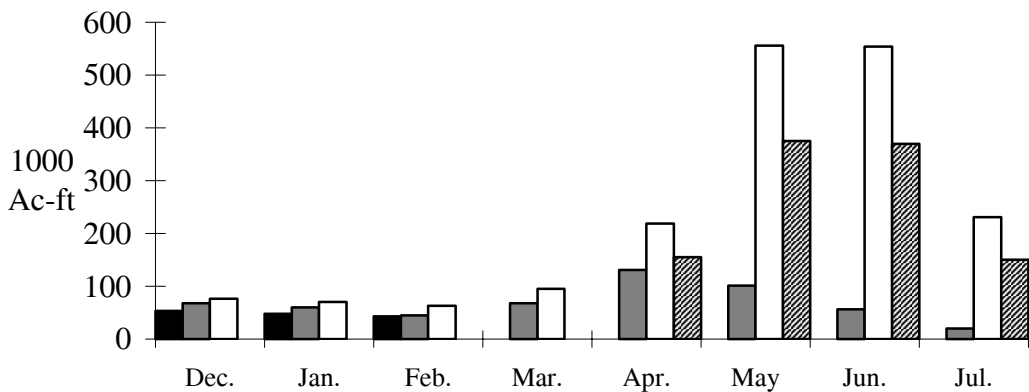
Colorado - Dotsero, nr:



Roaring Fork - Glenwood Springs:



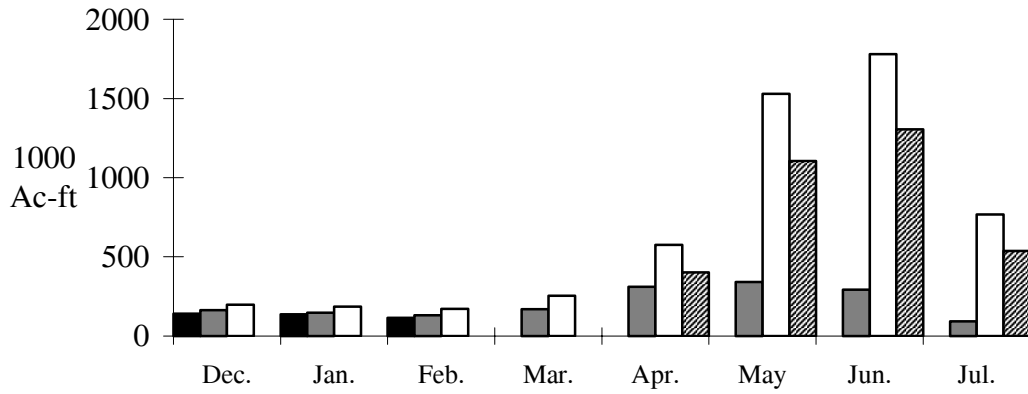
Gunnison - Grand Junction, nr:



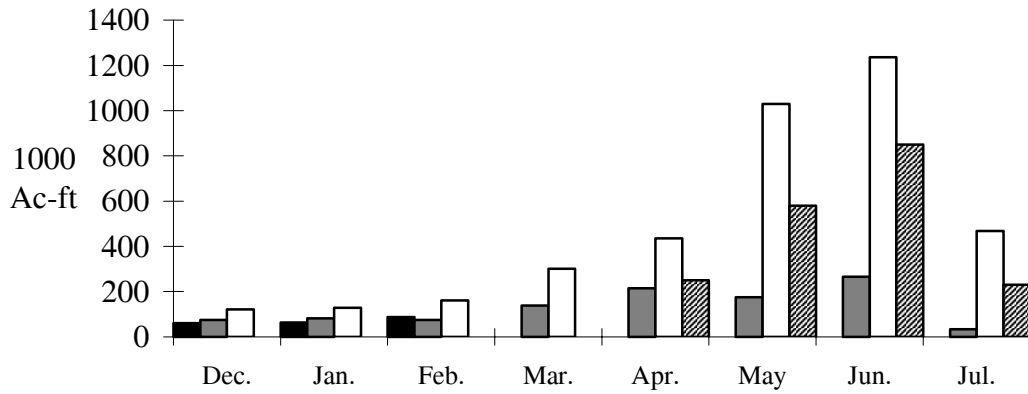
* Data Not Available



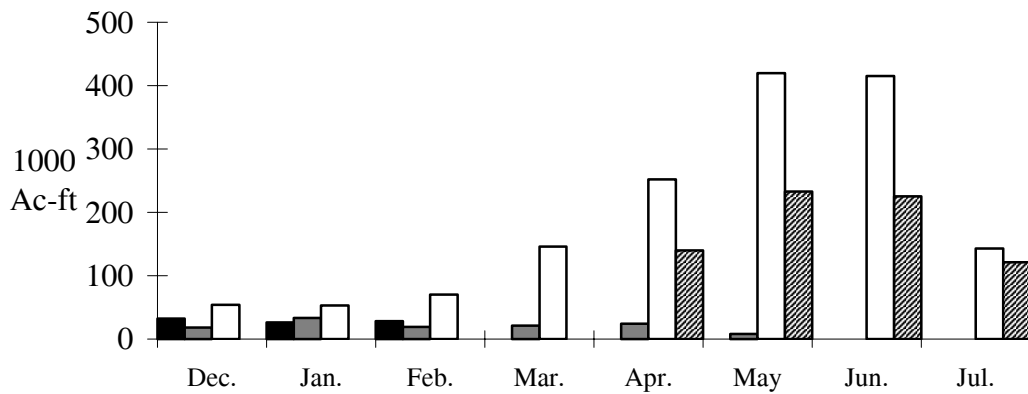
Colorado - Cisco, nr:



Green - Green River, UT:



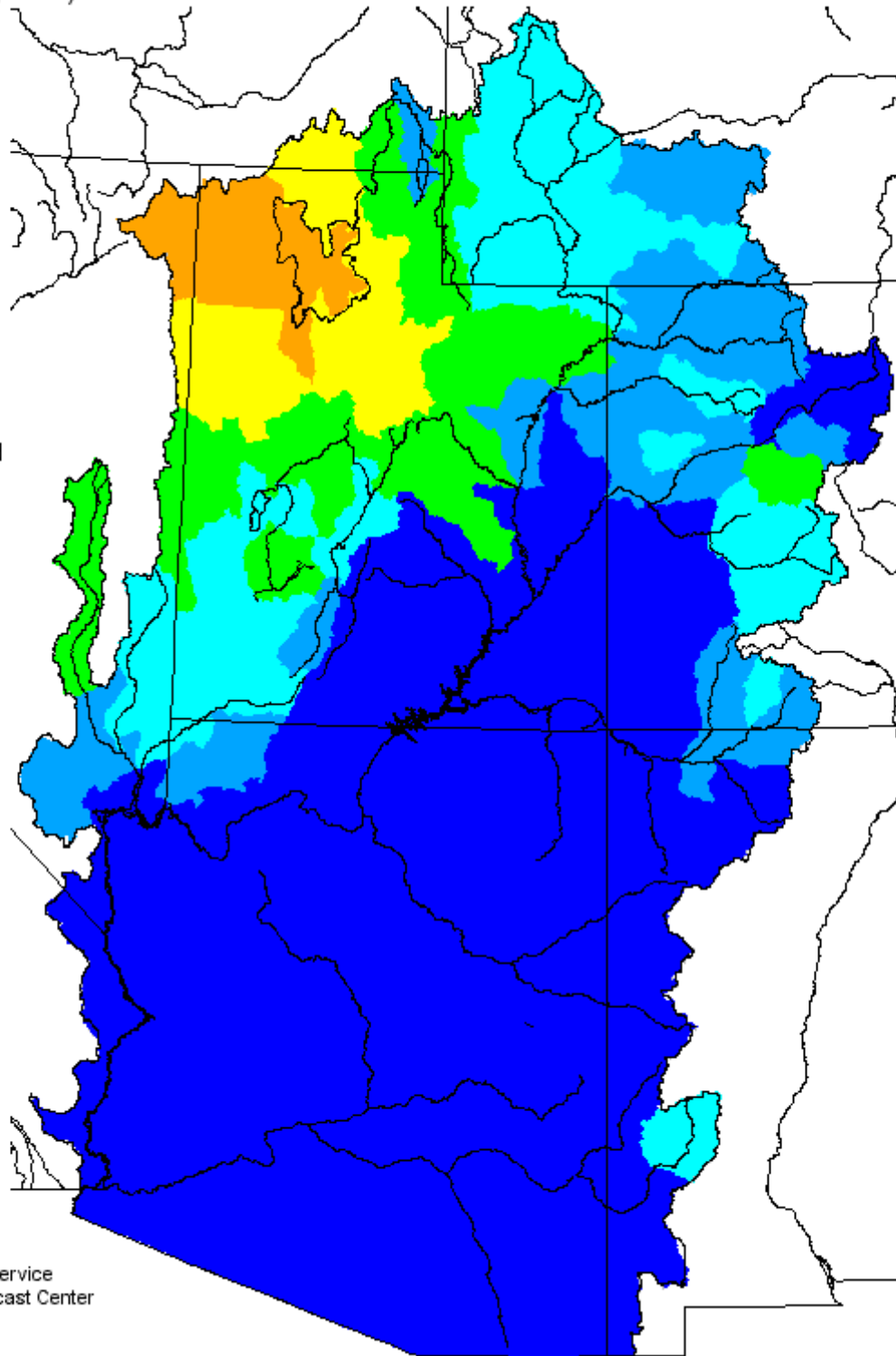
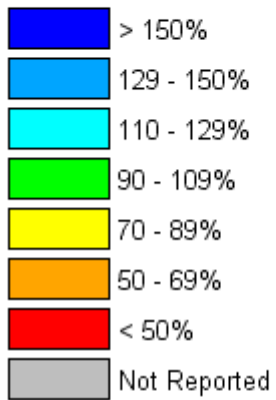
San Juan - Bluff, nr:



Monthly Precipitation for February 2003

(Averaged by Hydrologic Unit)

% Average

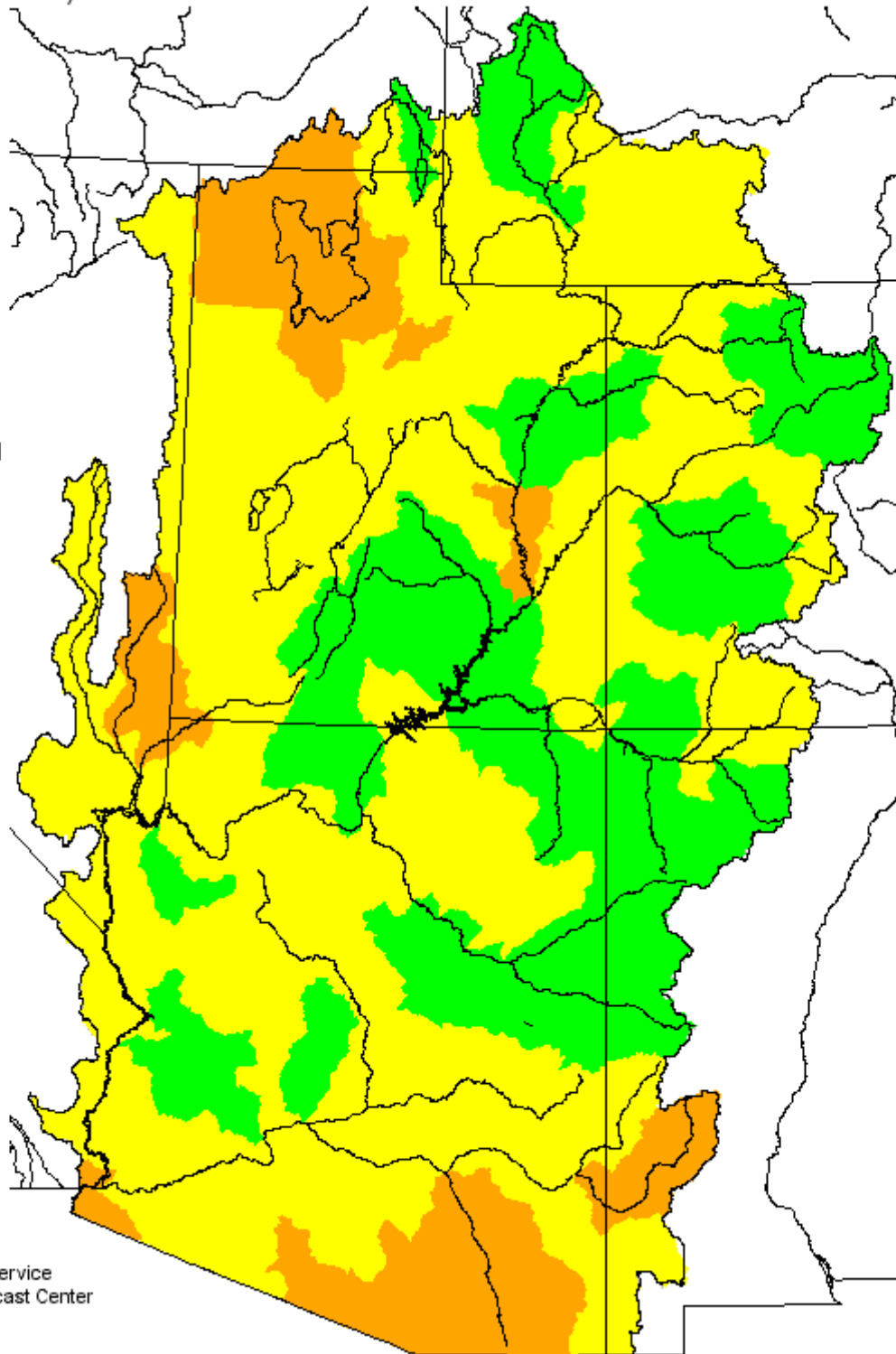
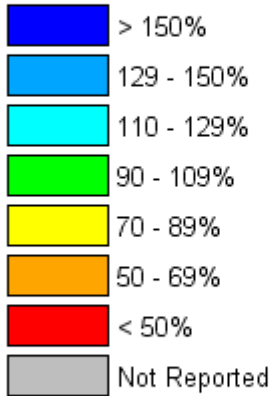


Prepared by
NOAA, National Weather Service
Colorado Basin River Forecast Center
Salt Lake City, Utah
www.cbrfc.noaa.gov

Seasonal Precipitation, October 2002 - February 2003

(Averaged by Hydrologic Unit)

% Average



Prepared by
NOAA, National Weather Service
Colorado Basin River Forecast Center
Salt Lake City, Utah
www.cbrfc.noaa.gov

ADDITIONAL INFORMATION

Water supply forecasts take into consideration present hydrometeorological conditions and use average basin temperatures and precipitation for the forecast period. As the forecast season progresses, a greater portion of the future hydrologic and climatic uncertainty becomes known and monthly forecasts become more accurate.

Volume forecasts represent adjusted flows; that is, observed flows with upstream water use taken into account. Adjusted flows will closely approximate natural or unimpaired flows. However, not all upstream diversions or impoundments are measured or quantifiable. For specific adjustments used with each forecast point, consult the Guide to Water Supply Forecasting.

The Water Supply Outlook is issued monthly January through May by the Colorado Basin River Forecast Center, National Weather Service. It represents a coordinated effort between the National Weather Service, Natural Resources Conservation Service, Bureau of Reclamation, U.S. Geological Survey and local water district managers.

DEFINITIONS:

Acre-Foot:

The volume equal to one acre covered one foot deep (43,560 cubic feet).

Average:

The arithmetic mean. The sum of the values divided by the number of values.

Categories:

Much above Average Greater than 130%	Above Average 111-130%	Near Average 90-110%	Below Average 70-89%	Much Below Average- Less than 70%
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Forecast Period:

The period from April 1 through July 31.

Median:

The middle value. One half of the observed values are higher and half of the values are lower than this.

Most Probable Forecast:

Given the current hydrometeorological conditions to date, this is the best estimate of what the runoff volume will be this season.

Reasonable Maximum Forecast:

Given the current hydrometeorological conditions, the seasonal runoff that has a ten percent (10%) chance of being exceeded.

Reasonable Minimum Forecast:

Given the current hydrometeorological conditions, the seasonal runoff that has a ninety percent (90%) chance of being exceeded.

Water Year:

The period from October 1 through September 30.

NOTE: Data used in this report are provisional and are subject to revision.

For more information, or to be included on the mailing list, please contact:

Colorado Basin River Forecast Center, National Weather Service
2442 West North Temple, Salt Lake City, UT 84116